

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

BUCHSBAUM, LUIZ, et al.

Appln. No.: not assigned

Confirmation No. not assigned

Group Art Unit: not assigned

Filed: March 21, 2001

Examiner: not assigned

For: A SATELLITE BASED CONTENT DISTRIBUTION SYSTEM USING IP MULTICAST TECHNOLOGY

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

**Page 2, last paragraph:**

The prior art unidirectional IP multicast system operates based on a unicast routing table and conversion system. Because so much of the Internet is still only configured for unicast communication, multicast communication must be converted. In the prior art, multicast-enabled routers use information stored in the unicast routing tables to convert and distribute IP multicast data. A prior art algorithm known as Reverse Path Forwarding (RPF) is used in conjunction with the unicast routing tables to build multicast trees for data distribution throughout the network. However, in the prior art unidirectional routing system, IP multicast fails to properly operate, because the request is always transmitted on a different interface from the interface that receives